

WHAT IS CLAIMED IS:

- 1 1. A color image forming apparatus, comprising:
2 a plurality of image supporters, each of which is operable to support a
3 toner image of one color to be transferred;
4 a plurality of brush rollers, each of which is brought into contact with
5 an associated one of the image supporters to charge the same; and
6 a plurality of transmitters, each of which is operable to transmit a
7 driving force of an associated one of the image supporters to an associated
8 one of the brush rollers.
- 1 2. The color image forming apparatus as set forth in claim 1, wherein
2 each of the transmitters comprises a step-up gear.
- 1 3. The color image forming apparatus as set forth in claim 1, wherein the
2 image supporters and the brush rollers are rotated in an identical direction.
- 1 4. The color image forming apparatus as set forth in claim 1, wherein the
2 toner image is transferred onto a belt member.
- 1 5. The color image forming apparatus as set forth in claim 1, wherein the
2 toner image is transferred onto a recording medium carried by a belt member.
- 1 6. A color image forming apparatus, comprising:
2 a plurality of image supporters, each of which is operable to support a

3 latent image of one color to be developed;

4 a plurality of brush rollers, each of which is brought into contact with
5 an associated one of the image supporters to charge the same;

6 a plurality of developing rollers, each of which is operable to develop
7 the latent image as a toner image of one color which is to be transferred, on an
8 associated one of the image supporters; and

9 a plurality of transmitters, each of which is operable to transmit a
10 driving force of an associated one of the developing rollers to an associated
11 one of the brush rollers.

1 7. The color image forming apparatus as set forth in claim 6, wherein the
2 image supporters and the brush rollers are rotated in an identical direction.

1 8. The color image forming apparatus as set forth in claim 6, wherein the
2 toner image is transferred onto a belt member.

1 9. The color image forming apparatus as set forth in claim 6, wherein the
2 toner image is transferred onto a recording medium carried by a belt member.

1 10. A color image forming apparatus, comprising:

2 a plurality of image supporters, each of which is operable to support a
3 latent image of one color to be developed;

4 a plurality of brush rollers, each of which is brought into contact with
5 an associated one of the image supporters to charge the same;

6 a plurality of developing rollers, each of which is operable to develop

7 the latent image as a toner image of one color which is to be transferred, on an
8 associated one of the image supporters; and

9 a transmitter, operable to transmit a driving force of one of the
10 developing rollers to each of the brush rollers.

1 11. The color image forming apparatus as set forth in claim 10, wherein
2 the image supporters and the brush rollers are rotated in an identical direction.

1 12. The color image forming apparatus as set forth in claim 10, wherein
2 the toner image is transferred onto a belt member.

1 13. The color image forming apparatus as set forth in claim 10, wherein
2 the toner image is transferred onto a recording medium carried by a belt
3 member.

1 14. A color image forming apparatus, comprising:
2 a plurality of image supporters, each of which is operable to support a
3 toner image of one color to be transferred;
4 a plurality of brush rollers, each of which is brought into contact with
5 an associated one of the image supporters to charge the same; and
6 a transmitter, operable to transmit a driving force of one of the image
7 supporters to each of the brush rollers.

1 15. The color image forming apparatus as set forth in claim 14, wherein
2 the one of the image supporters is an image supporter which is associated with

3 a black toner image.

1 16. The color image forming apparatus as set forth in claim 14, wherein
2 the one of the image supporters is an image supporter which is associated with
3 a yellow toner image.

1 17. The color image forming apparatus as set forth in claim 14, wherein
2 the transmitter comprises a step-up gear.

1 18. The color image forming apparatus as set forth in claim 14, wherein
2 the image supporters and the brush rollers are rotated in an identical direction.

1 19. The color image forming apparatus as set forth in claim 14, wherein
2 the toner image is transferred onto a belt member.

1 20. The color image forming apparatus as set forth in claim 1, wherein the
2 toner image is transferred onto a recording medium carried by a belt member.

1 21. A color image forming apparatus, comprising:
2 a plurality of image supporters, each of which is operable to support a
3 toner image of one color to be transferred;
4 a plurality of brush rollers, each of which is brought into contact with
5 an associated one of the image supporters to charge the same; and
6 a driver, operable to rotate every one of the image supporters and
7 every one of the brush rollers in a case where a monochrome image formation

8 is performed.

1 22. The color image forming apparatus as set forth in claim 21, wherein
2 the driver comprises a plurality of transmitters, each of which is operable to
3 transmit a driving force of an associated one of the image supporters to an
4 associated one of the brush rollers.

1 23. The color image forming apparatus as set forth in claim 22, wherein
2 each of the transmitters comprises a step-up gear.

1 24. The color image forming apparatus as set forth in claim 21, wherein
2 the driver comprises a transmitter, operable to transmit a driving force of one of
3 the image supporters associated with a black toner image to each of the brush
4 rollers.

1 25. The color image forming apparatus as set forth in claim 24, wherein
2 the transmitter comprises a step-up gear.

1 26. The color image forming apparatus as set forth in claim 21, wherein
2 the image supporters and the brush rollers are rotated in an identical direction.

1 27. The color image forming apparatus as set forth in claim 21, wherein
2 the toner image is transferred onto a belt member.

1

1 28. The color image forming apparatus as set forth in claim 21, wherein
2 the toner image is transferred onto a recording medium carried by a belt
3 member.

1 29. A color image forming apparatus, comprising:
2 a plurality of image supporters, each of which is operable to support a
3 latent image of one color to be developed;
4 a plurality of brush rollers, each of which is brought into contact with
5 an associated one of the image supporters to charge the same;
6 a plurality of developing rollers, each of which is operable to develop
7 the latent image as a toner image of one color which is to be transferred, on an
8 associated one of the image supporters; and
9 a driver, operable to stop, in a case where a monochrome image
10 formation is performed, ones of the brush rollers which are associated with
11 ones of the image supporters not used for the monochrome image formation.

1 30. The color image forming apparatus as set forth in claim 29, wherein
2 the driver comprises a plurality of transmitters, each of which is operable to
3 transmit a driving force of an associated one of the image supporters to an
4 associated one of the brush rollers, which are not used for the monochrome
5 image formation.

1 31. The color image forming apparatus as set forth in claim 29, wherein
2 each of the transmitters comprises a step-up gear.

1 32. The color image forming apparatus as set forth in claim 29, wherein
2 the driver comprises a plurality of transmitters, each of which is operable to
3 transmit a driving force of an associated one of the developing rollers to an
4 associated one of the brush rollers, which are not used for the monochrome
5 image formation.

1 33. The color image forming apparatus as set forth in claim 32, wherein
2 each of the transmitters comprises a step-up gear.

1 34. The color image forming apparatus as set forth in claim 29, wherein
2 the image supporters and the brush rollers are rotated in an identical direction.

1 35. The color image forming apparatus as set forth in claim 29, wherein
2 the toner image is transferred onto a belt member.

1 36. The color image forming apparatus as set forth in claim 29, wherein
2 the toner image is transferred onto a recording medium carried by a belt
3 member.